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| FORM PTO-1390<br>(REV. 10-2003)   |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE |  | ATTORNEY'S DOCKET NUMBER<br>NIS-15741                              |  |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371  |  |   |  | U.S. APPLICATION NO. (If known, see 37 CFR 1.5<br><b>10/510995</b> |  |
|   |  |   |  |  |  |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP03/04714   |  | INTERNATIONAL FILING DATE<br>14 April 2003              |  | PRIORITY DATE CLAIMED<br>12 April 2002                             |  |
| TITLE OF INVENTION<br>SEMICONDUCTOR FORCE SENSOR  |  |   |  |  |  |
| APPLICANT(S) FOR DO/EO/US<br>HIROSE, Shigeru; SAWAMURA, Hiroyuki; ANDO, Masato; MOTOKI, Yoshimitsu  |  |   |  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |  |  |  |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: International Search Report.</p> |  |   |  |  |  |

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| U.S. APPLICATION NO. (if known) 37 CFR 1.53   |              | INTERNATIONAL APPLICATION NO. PCT/JP03/04714 |           | ATTORNEY'S DOCKET NUMBER NIS-15741 |    |
| 10/510995   |              |  |           |                                    |    |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:<br><b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b><br>Neither international preliminary examination fee (37 CFR 1.482)<br>nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO<br>and International Search Report not prepared by the EPO or JPO..... <b>\$1080.00</b><br><br>International preliminary examination fee (37 CFR 1.482) not paid to<br>USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$920.00</b><br><br>International preliminary examination fee (37 CFR 1.482) not paid to USPTO<br>but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$770.00</b><br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$730.00</b><br><br>International preliminary examination fee (37 CFR 1.482) paid to USPTO<br>and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b><br><br><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> |              |  |           | CALCULATIONS PTO USE ONLY          |    |
|   |              |  |           |                                    |    |
|   |              |  |           | \$ 950.00                          |    |
|   |              |  |           | \$ 130.00                          |    |
|   |              |  |           | \$ 0.00                            |    |
| Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months<br>from the earliest claimed priority date (37 CFR 1.492(e)).  |              |  |           | \$ 130.00                          |    |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA                                 | RATE      |                                    |    |
| Total claims  | 17 - 20 =    | 0  | x \$18.00 | \$ 0.00                            |    |
| Independent claims  | 3 - 3 =      | 0  | x \$86.00 | \$ 0.00                            |    |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |  |           | \$ 0.00                            |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |  |           | \$ 1,080.00                        |    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above<br>are reduced by 1/2.   |              |  |           | \$ 0.00                            |    |
| <b>SUBTOTAL =</b>   |              |  |           | \$ 1,080.00                        |    |
| Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months<br>from the earliest claimed priority date (37 CFR 1.492(f)).   |              |  |           | \$ 0.00                            |    |
| <b>TOTAL NATIONAL FEE =</b>   |              |  |           | \$ 1,080.00                        |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be<br>accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +  |              |  |           | \$ 0.00                            |    |
| <b>TOTAL FEES ENCLOSED =</b>  |              |  |           | \$ 1,080.00                        |    |
|   |              |  |           | Amount to be<br>refunded:          | \$ |
|   |              |  |           | charged:                           | \$ |
| a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,080.00</u> to cover the above fees is enclosed.<br><br>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>18-0160</u> in the amount of \$ _____ to cover the above fees.<br>A duplicate copy of this sheet is enclosed.<br><br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any<br>overpayment to Deposit Account No. <u>18-0160</u> . A duplicate copy of this sheet is enclosed.<br><br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card<br/>         information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.  |              |  |           |                                    |    |
| <b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a)<br/>         or (b)) must be filed and granted to restore the application to pending status.</b>   |              |  |           |                                    |    |
| SEND ALL CORRESPONDENCE TO:   |              |  |           |                                    |    |
| David E. Spaw<br>Customer Number 040854<br>Rankin, Hill, Porter & Clark, LLP<br>4080 Erie Street<br>Willoughby, Ohio 44094-7836   |              |  |           |                                    |    |
| <br>SIGNATURE<br>David E. Spaw<br>NAME<br>34732<br>REGISTRATION NUMBER  |              |  |           |                                    |    |